## OVERVIEW

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<td>5. HDMI 2.0b</td>
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<td>3. Kensington Nano Security Slot</td>
<td>6. Headphone / microphone combo jack (3.5mm)</td>
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</table>
PERFORMANCE

Processor
Processor Family
11th Generation Intel® Core™ i5 / i7 Processor

<table>
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<tr>
<th>Processor Name</th>
<th>Cores</th>
<th>Threads</th>
<th>Base Frequency</th>
<th>Max Frequency</th>
<th>Cache</th>
<th>Memory Support</th>
<th>Processor Graphics</th>
</tr>
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<tbody>
<tr>
<td>Core i5-1135G7</td>
<td>4</td>
<td>8</td>
<td>2.4GHz</td>
<td>4.2GHz</td>
<td>8MB</td>
<td>LPDDR4x-4266</td>
<td>Intel Iris® Xe Graphics</td>
</tr>
<tr>
<td>Core i7-1165G7</td>
<td>4</td>
<td>8</td>
<td>2.8GHz</td>
<td>4.7GHz</td>
<td>12MB</td>
<td>LPDDR4x-4266</td>
<td>Intel Iris Xe Graphics</td>
</tr>
</tbody>
</table>

Operating System
Operating System
- Windows® 10 Home 64
- Windows 10 Pro 64
- No operating system

Graphics
Graphics

<table>
<thead>
<tr>
<th>Graphics Type</th>
<th>Memory Type</th>
<th>Key Features</th>
</tr>
</thead>
<tbody>
<tr>
<td>Intel Iris Xe Graphics</td>
<td>Integrated</td>
<td>DirectX® 12</td>
</tr>
</tbody>
</table>

Monitor Support
Monitor Support
Supports up to 3 independent displays via native display and 2 external monitors; supports external monitors via HDMI® (up to 3840x2160@60Hz) or Thunderbolt™ (up to 7680x4320@30Hz)

Chipset
Chipset
Intel SoC (System on Chip) platform

Memory
Max Memory
- 8GB soldered memory, not upgradable
- 16GB soldered memory, not upgradable

Memory Slots
Memory soldered to systemboard, no slots, dual-channel (8GB or 16GB model)

Memory Type
LPDDR4x-4266

Notes:
1. The max memory is based on the test results with current Lenovo® memory offerings. The system may support more memory as the technology develops.

Storage
Storage Support
One drive, up to 512GB M.2 2242 SSD or 1TB M.2 2280 SSD

Storage Type

<table>
<thead>
<tr>
<th>Disk Type</th>
<th>Interface</th>
<th>RPM</th>
<th>Security</th>
</tr>
</thead>
<tbody>
<tr>
<td>M.2 2242 SSD</td>
<td>PCIe NVMe, PCIe 3.0 x4</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>M.2 2280 SSD</td>
<td>PCIe NVMe, PCIe 3.0 x4</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>M.2 2280 SSD</td>
<td>PCIe NVMe, PCIe 4.0 x4</td>
<td>-</td>
<td>-</td>
</tr>
</tbody>
</table>

Removable Storage
Optical
None

Card Reader
No card reader

Multi-Media

Audio Chip
High Definition (HD) Audio, Realtek® ALC3306 codec

Speakers
- Stereo speakers, 2W x2, Dolby® Audio™, HARMAN-branded
- Stereo speakers, 2W x2, Dolby Audio, HARMAN-branded, Smart AMP

Microphone
Dual array microphone with AI-based noise cancellation, switchable audio modes

Camera
720p, with ThinkShutter, fixed focus

Battery

Battery
Integrated Li-Polymer 56Wh battery, supports Rapid Charge (charge up to 80% in 1hr)

Max Battery Life
- MobileMark® 2014: 16 hr
- MobileMark 2018: 12.1 hr

Notes:
All battery life claims are approximate maximum and based on results using the MobileMark 2014, MobileMark 2018, and/or JEITA 2.0 battery-life benchmark tests. Actual battery life will vary and depends on many factors such as product configuration and usage, software use, wireless functionality, power management settings, and screen brightness. The maximum capacity of the battery will decrease with time and use.

Power Adapter

Power Adapter
- 65W USB-C slim (2-pin, wall-mount) AC adapter
- 65W USB-C (3-pin) AC adapter

Notes:
1. 65W USB-C slim (Wall Mount) AC adapter is only available in selected countries

DESIGN

Display

<table>
<thead>
<tr>
<th>Size</th>
<th>Resolution</th>
<th>Touch</th>
<th>Type</th>
<th>Brightness</th>
<th>Surface</th>
<th>Aspect Ratio</th>
<th>Contrast Ratio</th>
<th>Color Gamut</th>
<th>Viewing Angle</th>
<th>Key Features</th>
</tr>
</thead>
<tbody>
<tr>
<td>13.3”</td>
<td>WUXGA (1920x1200)</td>
<td>None</td>
<td>IPS</td>
<td>300 nits</td>
<td>Anti-glare</td>
<td>16:10</td>
<td>1000:1</td>
<td>100% sRGB</td>
<td>170°</td>
<td>Dolby Vision™</td>
</tr>
<tr>
<td>13.3”</td>
<td>WQXGA (2560x1600)</td>
<td>None</td>
<td>IPS</td>
<td>300 nits</td>
<td>Anti-glare</td>
<td>16:10</td>
<td>1000:1</td>
<td>100% sRGB</td>
<td>170°</td>
<td>Dolby Vision</td>
</tr>
<tr>
<td>13.3”</td>
<td>WQXGA (2560x1600)</td>
<td>None</td>
<td>IPS</td>
<td>300 nits</td>
<td>Anti-glare</td>
<td>16:10</td>
<td>1500:1</td>
<td>100% sRGB</td>
<td>170°</td>
<td>Low power, Dolby Vision</td>
</tr>
<tr>
<td>13.3”</td>
<td>WQXGA (2560x1600)</td>
<td>Multi-touch</td>
<td>IPS</td>
<td>300 nits</td>
<td>Glossy</td>
<td>16:10</td>
<td>1500:1</td>
<td>100% sRGB</td>
<td>170°</td>
<td>Low power, Dolby Vision</td>
</tr>
</tbody>
</table>

Touchscreen
- Capacitive-type multi-touch, supports 10-point touch
- Non-touch
Notes:
1. California Electronic Waste Recycling Fee
In California, per state law, Lenovo charges an electronic waste recycling fee on this covered device at the time of sale of the product. For more information, go to https://www.calrecycle.ca.gov/Electronics/Consumer

Input Device
Keyboard
6-row, spill-resistant, multimedia Fn keys
Keyboard Backlight
LED backlight
Touchpad
Buttonless Mylar® surface multi-touch touchpad, supports Precision TouchPad (PTP)

Mechanical
Dimensions (WxDxH)
299 x 210 x 14.9 mm (11.77 x 8.27 x 0.59 inches)
Weight(1)
1.26 kg (2.78 lbs)
Case Color
Mineral grey, dual-tone design
Surface Treatment
Anodizing sandblasting
Case Material
Aluminium (top), aluminium (bottom)

Notes:
1. The system weight varies depending on configurations

CONNECTIVITY

Network
Onboard Ethernet
No Ethernet
WLAN + Bluetooth®(1)
Wi-Fi® 6, 802.11ax 2x2 Wi-Fi + Bluetooth 5.1

Notes:
1. WiFi 6 full features might be limited by country level restrictions
   BT5.1 is supported on Windows 10 version 2004 or above (limited to BT5.0 on earlier version)

Ports(1)
Standard Ports(2)
• 1x USB 3.2 Gen 1
• 1x USB 3.2 Gen 1 (Always On)
• 1x Thunderbolt 4 / USB4™ 40Gbps (support data transfer, Power Delivery 3.0 and DisplayPort™ 1.4)
• 1x HDMI 2.0b
• 1x Headphone / microphone combo jack (3.5mm)

Notes:
1. The transfer speed of following ports will vary and, depending on many factors, such as the processing speed of the host device, file attributes and other factors related to system configuration and your operating environment, will be slower than theoretical speed.
   USB 2.0: 480 Mbit/s;
   USB 3.2 Gen 1 (SuperSpeed USB 5Gbps, formerly USB 3.0 / USB 3.1 Gen 1): 5 Gbit/s;
   USB 3.2 Gen 2 (SuperSpeed USB 10Gbps, formerly USB 3.1 Gen 2): 10 Gbit/s;
   USB 3.2 Gen 2x2 (SuperSpeed USB 20Gbps): 20 Gbit/s;
   Thunderbolt 3: 40 Gbit/s;
FireWire 400: 400 Mbit/s; FireWire 800: 800 Mbit/s
2. Depending on many factors, actual data transfer speed may be lower than theoretical speed

SECURITY & PRIVACY

Security
Security Chip
- Discrete TPM 2.0, TCG certified
- Firmware TPM 2.0 integrated in chipset
Physical Locks
Kensington® Nano Security Slot
Fingerprint Reader
Touch style fingerprint reader on smart power button
BIOS Security
- Supervisor password
- Power-on password
- Hard disk password
Other Security
ThinkShutter camera cover

SERVICE

Warranty
Base Warranty
- 1-year depot service
- 1-year depot with 2-year system board service
- 2-year (1-yr battery) depot service

ENVIRONMENTAL

Operating Environment
Temperature
- At altitudes up to 2438 m (8,000 ft)
  - Operating: 5°C to 35°C (41°F to 95°F)
  - Storage: 5°C to 43°C (41°F to 109°F)
- At altitudes above 2438 m (8,000 ft)
  - Maximum temperature when operating under the unpressurized condition: 31.3°C (88°F)
Humidity
- Operating: 8% to 95% at wet-bulb temperature 23°C (73°F)
- Storage: 5% to 95% at wet-bulb temperature 27°C (81°F)
Altitude
Maximum altitude (without pressurization): 3048 m (10,000 ft)

Notes:
1. When you charge the battery, its temperature must be no lower than 10°C (50°F)

CERTIFICATIONS

Green Certifications
Green Certifications
- EPEAT™ Silver
- ENERGY STAR® 8.0
- ErP Lot 3
• RoHS compliant

**Other Certifications**

**Mil-Spec Test**
MIL-STD-810G military test passed

**Other Certifications**
• (Optional) Intel Evo™ Platform
• TÜV Rheinland® Low Blue Light